



STATE OF MICHIGAN
DEPARTMENT OF EDUCATION
LANSING


RICK SNYDER
GOVERNOR

MICHAEL P. FLANAGAN
STATE SUPERINTENDENT

August 26, 2014

MEMORANDUM

TO: State Board of Education

FROM: Michael P. Flanagan, Chairman 

SUBJECT: Approval of Criteria for Professional Development Support for Teachers in Science, Technology, Engineering, and Mathematics (STEM) Instruction for State School Aid Act Section 99b

The Michigan Legislature has allocated an amount not to exceed \$330,000 for 2014-2015 to be distributed in a form and manner determined by the Michigan Department of Education to districts to support professional development for teachers in a department-approved training program for STEM instruction.

The primary goal of the grant is to prepare teachers of STEM subjects to address achievement gaps that exist in schools. The desired outcomes are an increased number of students demonstrating career and college readiness as measured by the state summative assessments.

It is recommended that the State Board of Education approve the Criteria for Professional Development Support for Teachers in Science, Technology, Engineering, and Mathematics (STEM) Instruction for State School Aid Act Section 99b, as attached to the Superintendent's memorandum dated August 26, 2014.

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MICHIGAN STATE BOARD OF EDUCATION

Criteria for Professional Development Support for Teachers in Science, Technology, Engineering, and Mathematics (STEM) Instruction for State School Aid Act Section 99b

The State Board of Education has adopted as its mission "All students graduate ready for careers, college, and community."

To the extent possible, all grant criteria and grant awards will serve to further attain the above goal.

SBE MISSION, POLICIES, AND PROGRAMS THAT THESE CRITERIA SUPPORT

This grant supports the State Board's mission and the Michigan Department of Education's Priority I to close achievement gaps among all student groups by providing professional learning for teachers on best practices for the implementation of Michigan's Career and College Ready standards in science, technology, engineering, and mathematics (STEM).

PURPOSE / BACKGROUND OF GRANT

Type of Grant Program:

- | | | |
|---|-------------------------------------|---|
| <input checked="" type="checkbox"/> New | <input type="checkbox"/> Continuing | |
| <input checked="" type="checkbox"/> Competitive | <input type="checkbox"/> Formula | <input type="checkbox"/> Legislatively Designated |

Grants are to districts to send teachers to a professional development training program designed to improve learning for all students that meets the following requirements:

- Utilizes an integrative STEM approach to content organization and delivery. The integrative STEM approach shall include content derived from STEM course standards.
- Offers evidence that the program outcomes address mathematics, science, and technological literacy standards in an exploratory middle school or high school offering.
- Offers evidence that the program positively influences student career choices along STEM career paths and increases student engagement through peer-reviewed research.
- Presents evidence of the periodic improvement of the curriculum.
- Utilizes outcome measures for teacher professional development.
- Provides peer-reviewed evidence that the program is effective with disadvantaged students and those with language barriers.

CRITERIA

Date criteria were last approved: _____ n/a _____

Source of Criteria:

- ☐ A. Federal Law, Rules or Regulation ☒ C. Proposed by Staff
☒ B. State Law or Rules ☐ D. Defined in MDE's Approved Grant Application to the Funder

The main criteria upon which districts will be selected are the following:

1. Shall use the funds only for department-approved training programs under this section (State Law).
2. Priority will be given to districts that:
 - a. Are focus or priority schools (Proposed by Staff)
 - b. Have high English language learner populations (Proposed by Staff)
 - c. Have high economically disadvantaged populations (Proposed by Staff)
 - d. Have a high percentage of African-American males (Proposed by Staff)
 - e. Have teachers who have not previously received training in programs funded under this section (State Law).

ELIGIBLE APPLICANTS AND TARGET POPULATION SERVED

Eligible applicants are Michigan public school districts.

Target populations are disadvantaged students and those with language barriers whose teachers are receiving training in this program.

TOTAL FUNDS AVAILABLE

\$330,000 with individual grants not exceeding \$3,200 per participant

STATUTE

School Aid: Section 99b of P.A. 196 of 2014

OFFICE ADMINISTERING GRANT / PROGRAM CONTACT

Office of Education Improvement and Innovation:

Director:	Linda Forward	517-241-3147
Program Contact:	Megan Schrauben	517-335-3199